

ABSTRACT OF THE DISCLOSURE

PROCESS FOR PREPARING NITRILE COMPOUNDS FROM
ETHYLENICALLY UNSATURATED COMPOUNDS

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The present invention relates to a process for hydrocyanating a hydrocarbon-based compound containing at least one ethylenic unsaturation by reaction in liquid medium with hydrogen cyanide in the presence of 10 a catalyst comprising a metal element chosen from transition metals and an organophosphorus ligand, characterized in that the organophosphorus ligand is a monodentate organophosphorus compound. The present invention is in particular useful for the synthesis of 15 adiponitrile from butadiene.